FIG.1(a)

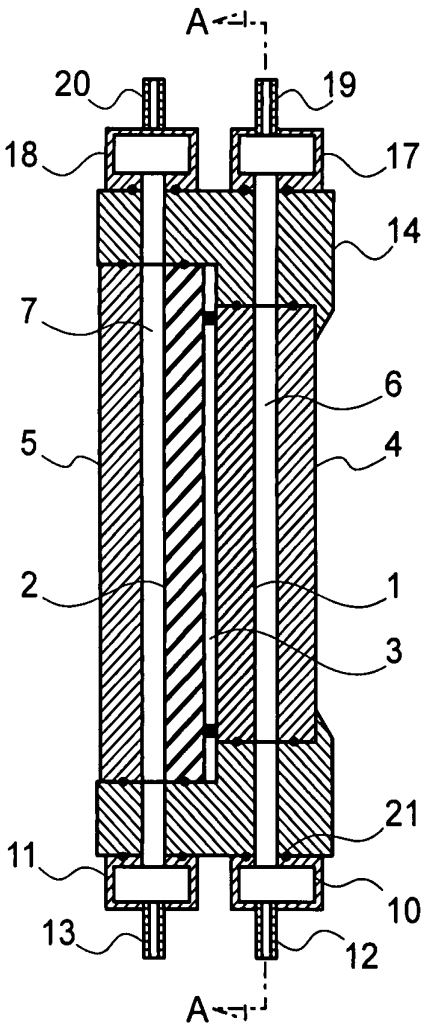

A
20
19
18
17
14
7
6
5
4
2
1
3
21
11
10
13
12
A

FIG.1(b)

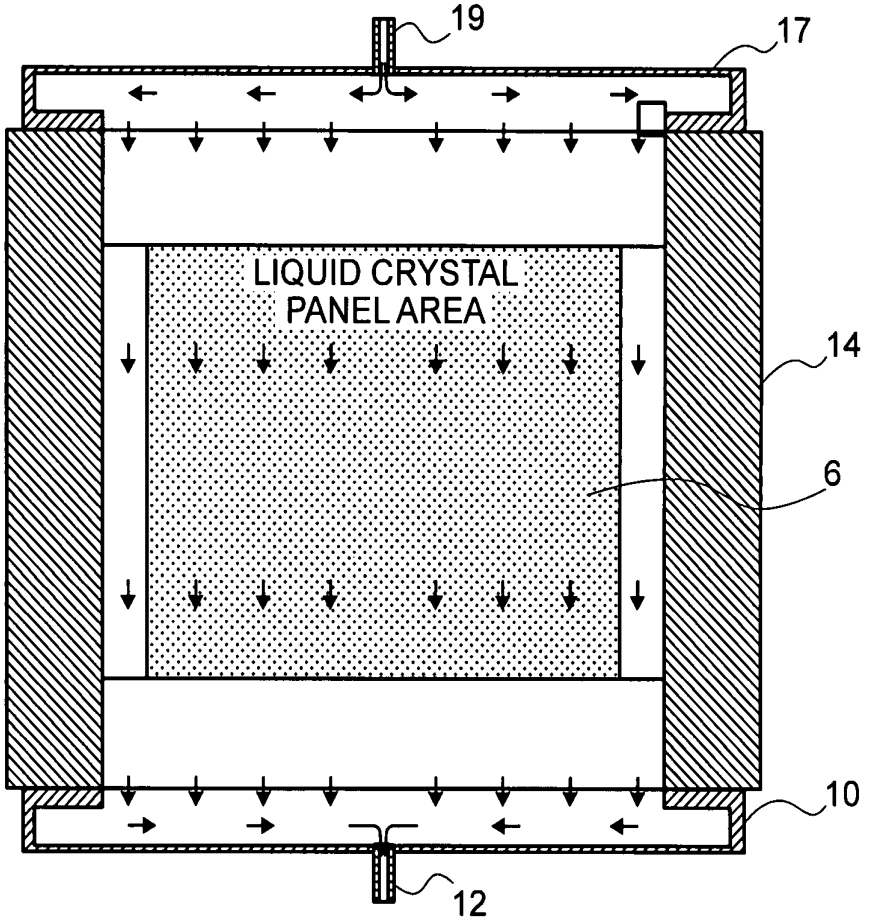

19
17
LIQUID CRYSTAL
PANEL AREA
14
6
10
12

FIG.2

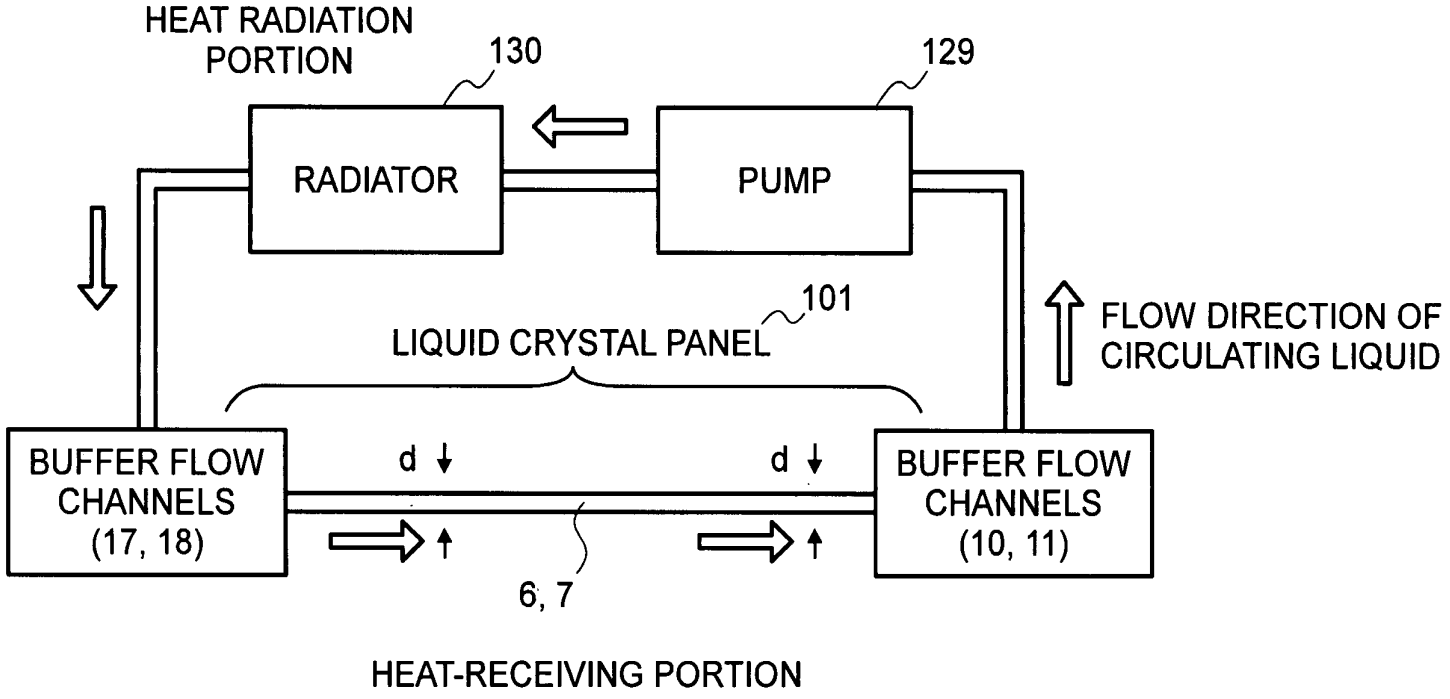

HEAT RADIATION PORTION
130
129
RADIATOR
PUMP
101
LIQUID CRYSTAL PANEL
FLOW DIRECTION OF CIRCULATING LIQUID
BUFFER FLOW CHANNELS (17, 18)
d
d
BUFFER FLOW CHANNELS (10, 11)
6, 7
HEAT-RECEIVING PORTION

FIG.3

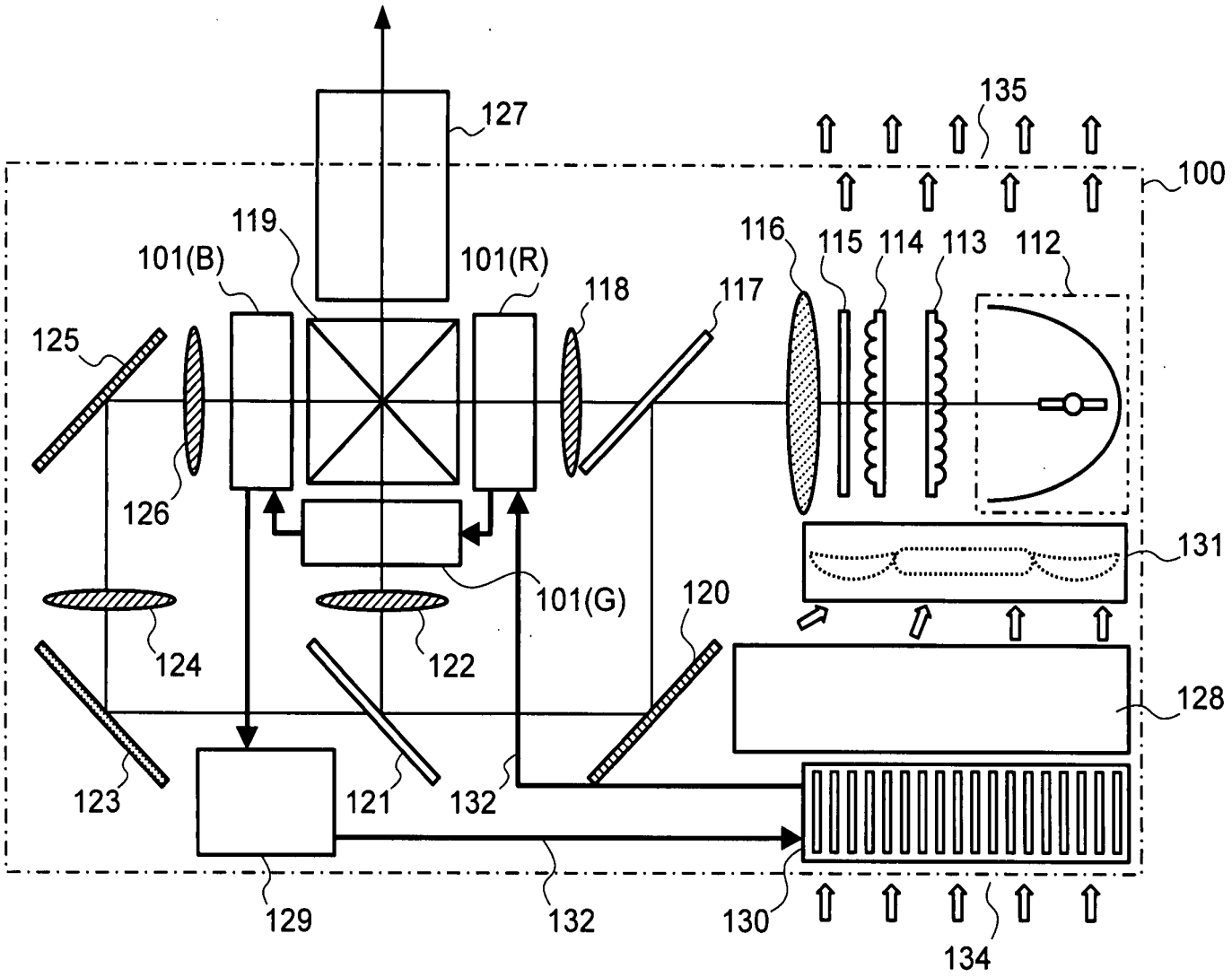

127
135
100
119
101(B)
101(R)
116
115
114
113
112
118
117
125
126
131
101(G)
120
124
122
128
123
121
132
129
132
130
134

FIG.4(a)

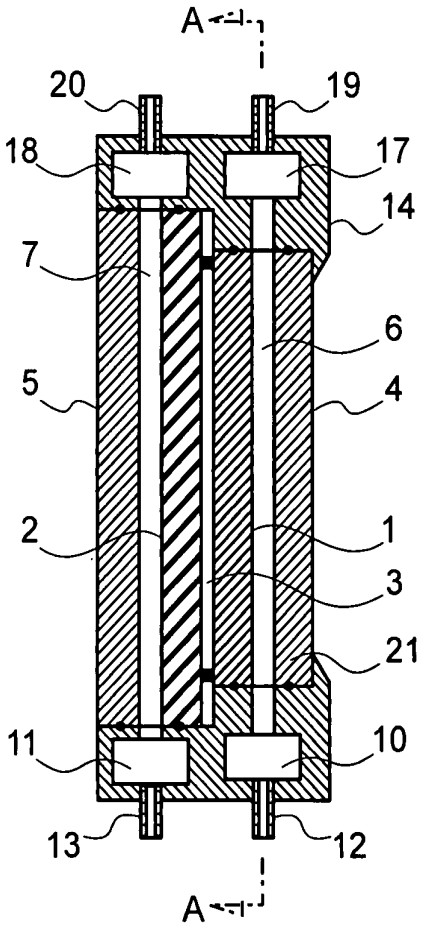

A
20
19
18
17
14
7
6
5
4
2
1
3
21
11
10
13
12
A

FIG.4(b)

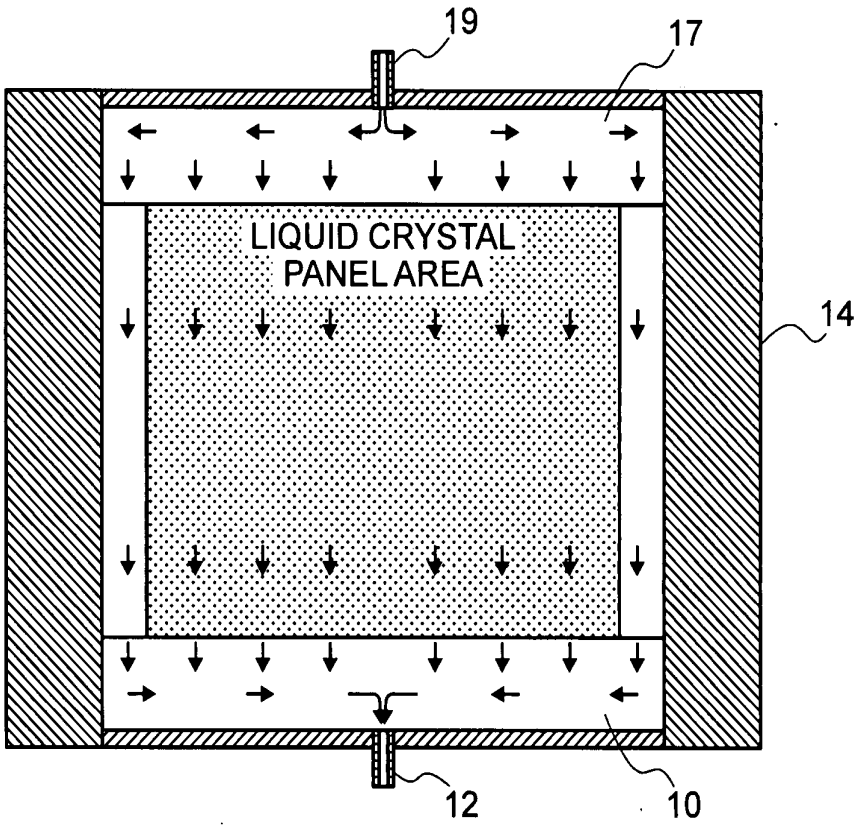

19
17
LIQUID CRYSTAL
PANEL AREA
14
12
10

FIG.5(a)

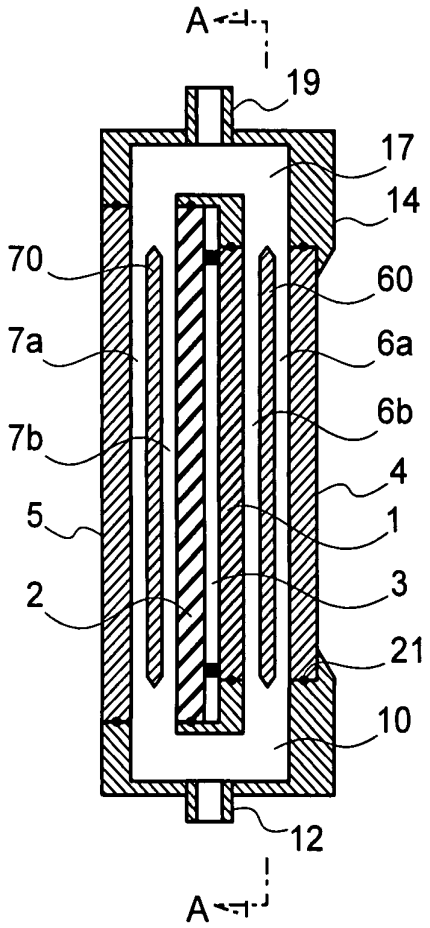

A
19
17
14
70
60
7a
6a
6b
7b
4
5
1
3
2
21
10
12
A

FIG.5(b)

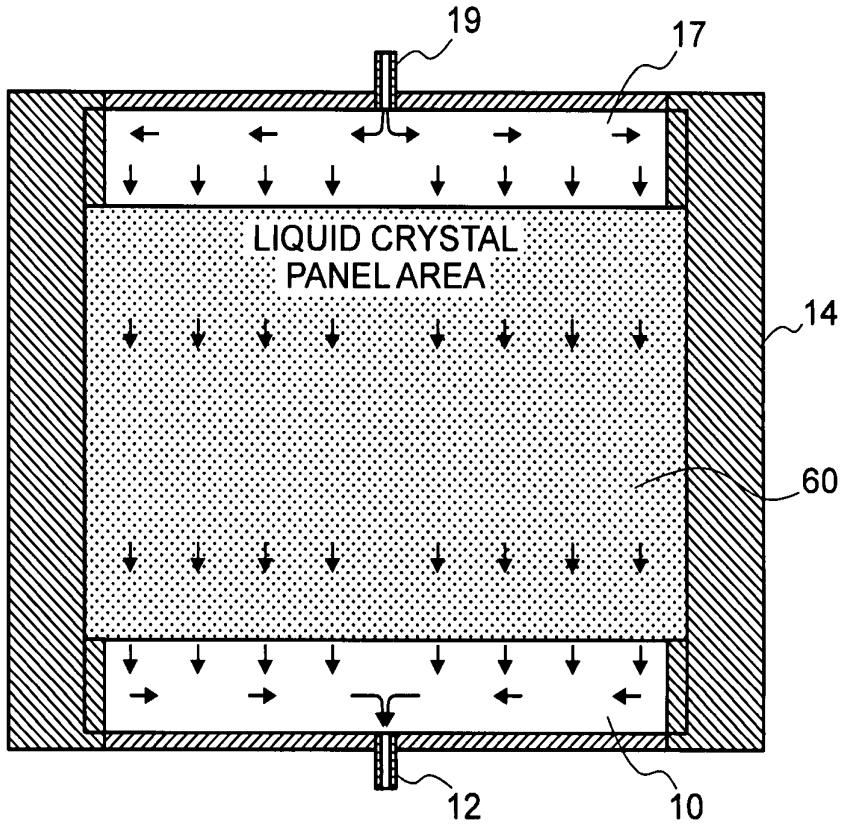

19
17
LIQUID CRYSTAL
PANEL AREA
14
60
12
10

FIG.6(a)

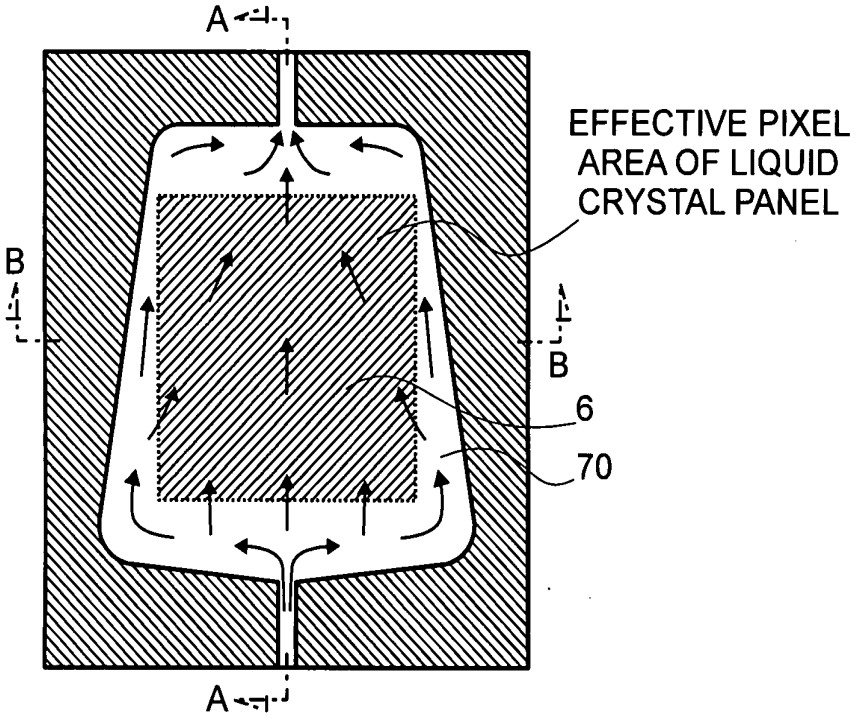
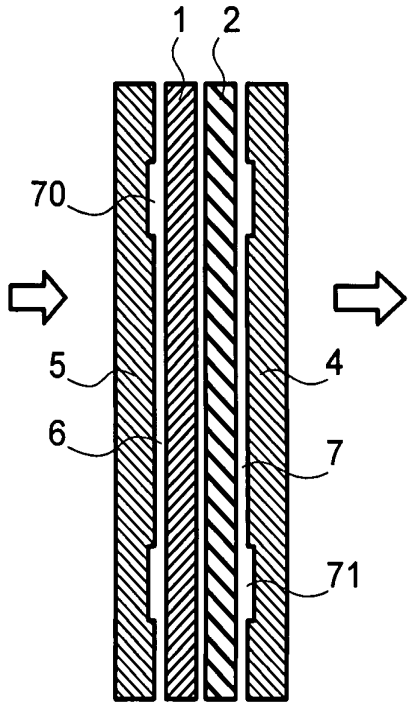
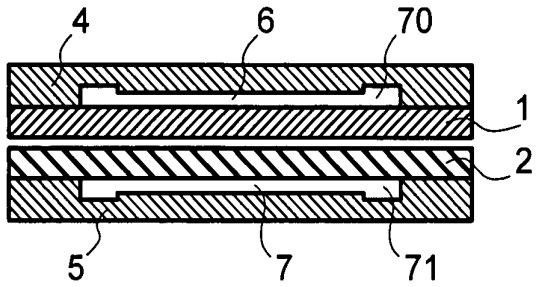


FIG.6(b)



A-A CROSS-SECTION

FIG.6(c)



B-B CROSS-SECTION

FIG.7

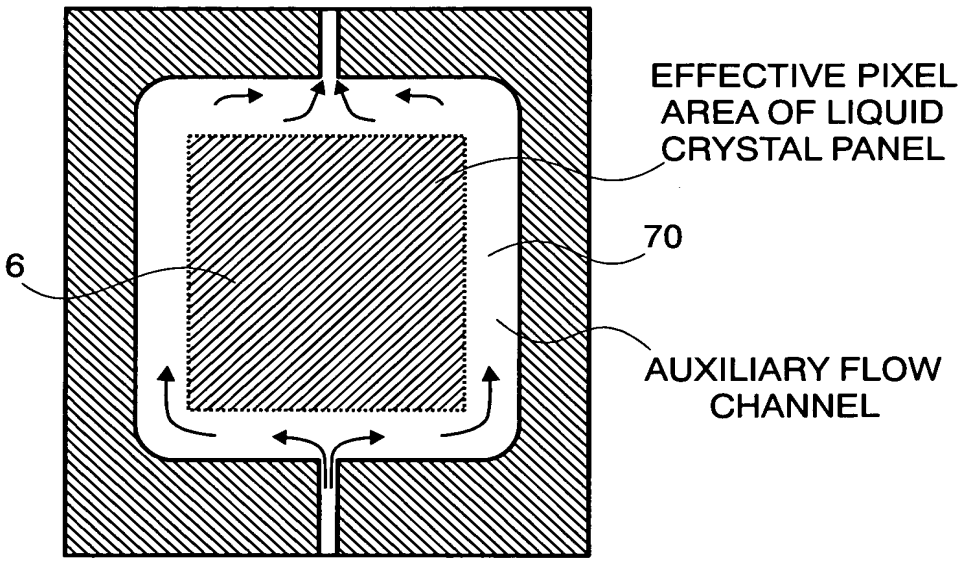

EFFECTIVE PIXEL AREA OF LIQUID CRYSTAL PANEL
70
6
AUXILIARY FLOW CHANNEL

FIG.8(a)

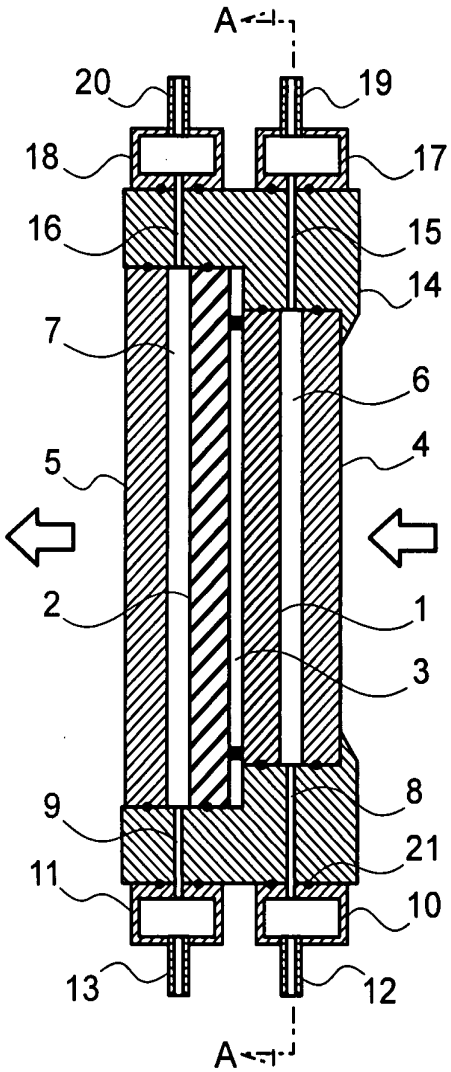

A
20
19
18
17
16
15
14
7
6
5
4
2
1
3
9
8
21
11
10
13
12
A

FIG.8(b)

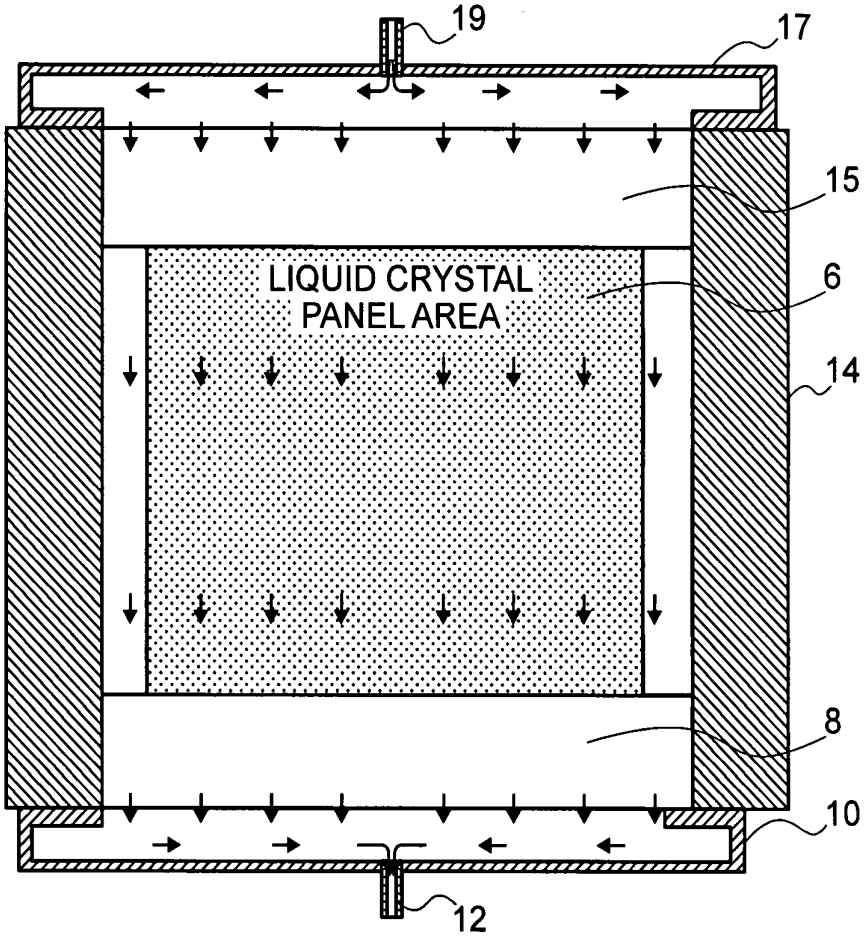

19
17
15
LIQUID CRYSTAL
PANEL AREA
6
14
8
10
12

FIG.9

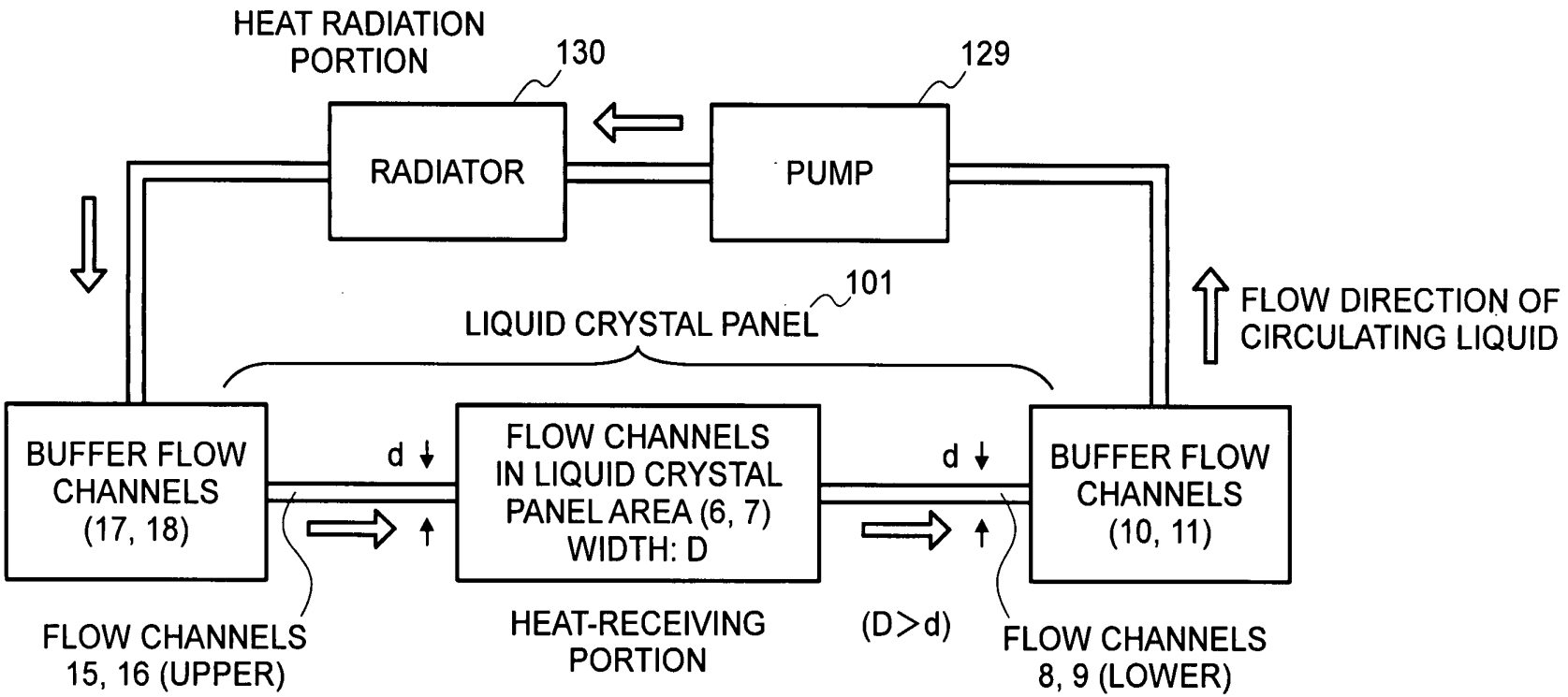

HEAT RADIATION PORTION
130
129
RADIATOR
PUMP
101
LIQUID CRYSTAL PANEL
FLOW DIRECTION OF CIRCULATING LIQUID
BUFFER FLOW CHANNELS (17, 18)
d
FLOW CHANNELS IN LIQUID CRYSTAL PANEL AREA (6, 7) WIDTH: D
d
BUFFER FLOW CHANNELS (10, 11)
FLOW CHANNELS 15, 16 (UPPER)
HEAT-RECEIVING PORTION
(D>d)
FLOW CHANNELS 8, 9 (LOWER)

FIG.10(a)

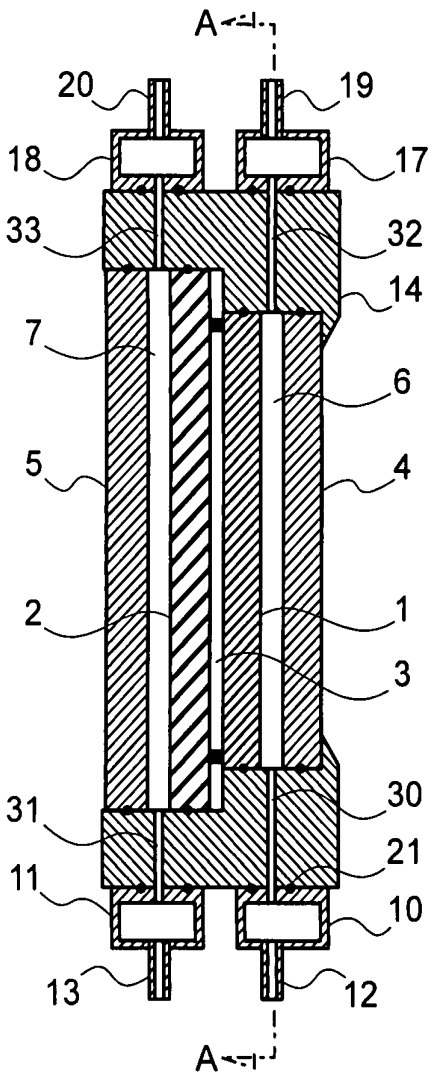


FIG.10(b)

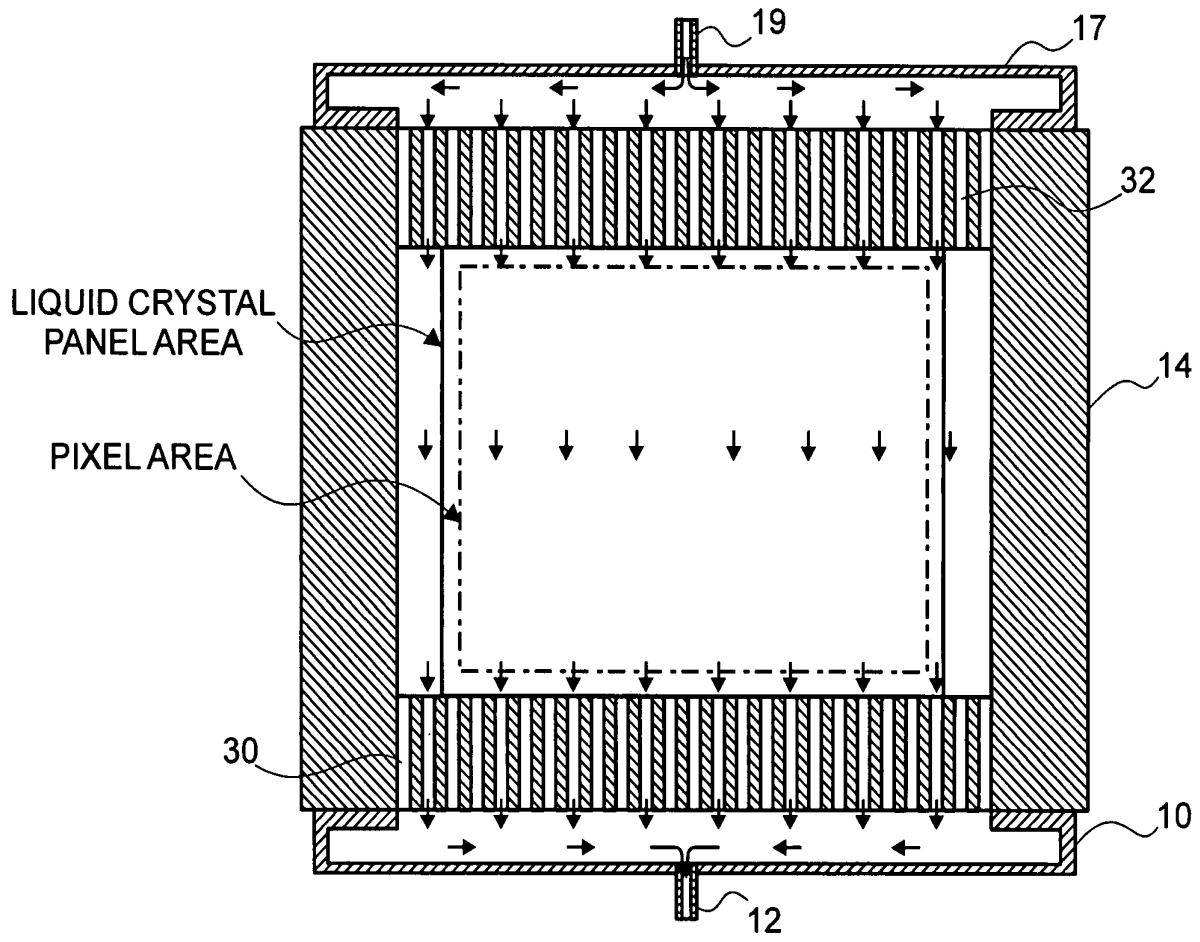


FIG.11

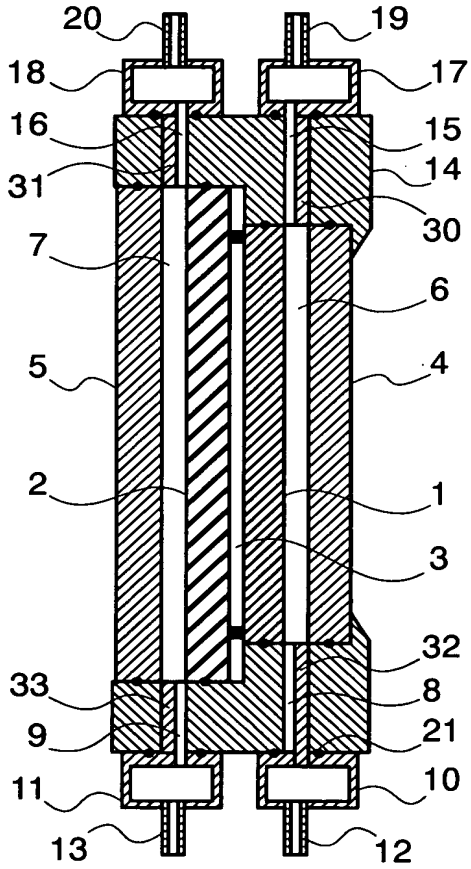


FIG.12

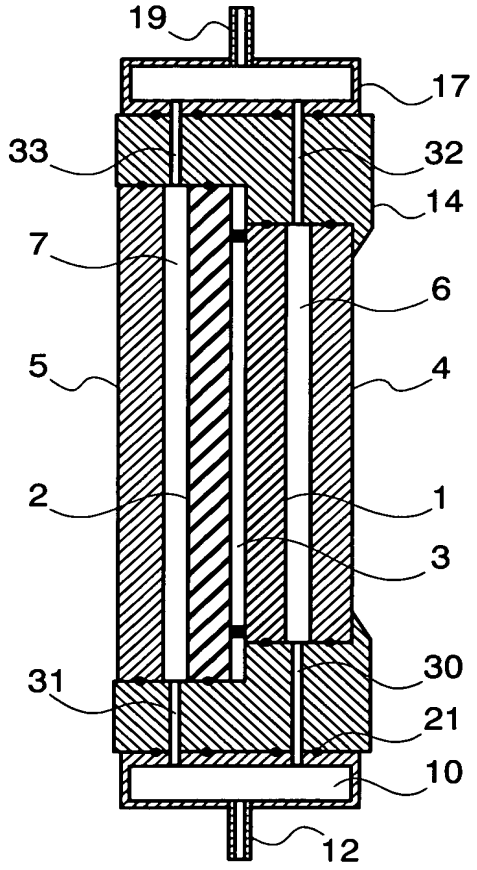


FIG.13

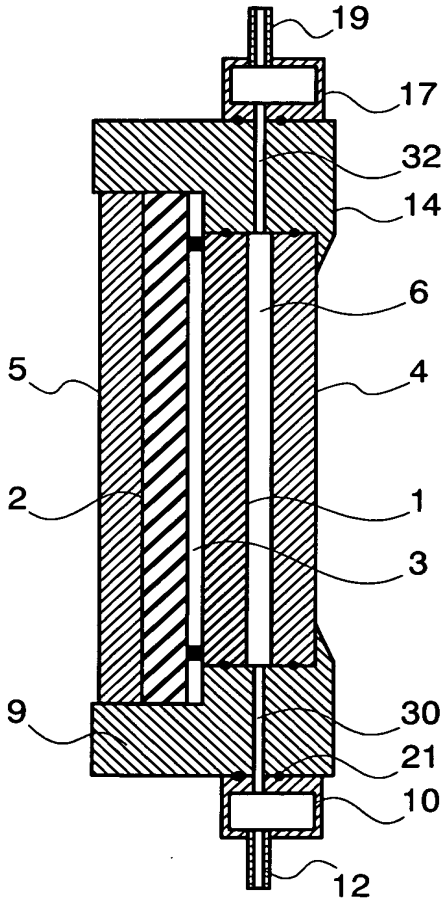


FIG.14